

FACULTY PROFILE

1. **Name** : Dr. M. RAVI KUMAR
2. **Designation** : Assoc. Professor
3. **Department** : ECE
4. **Date of Joining** : 01.11.2004
5. **Nature of Employment:** Regular
6. **Date of Birth** :10.08.1975
7. **Unique ID (AICTE FID)** : 1-424564806
8. **Email** : mrk1976@sircrrengg.ac.in
9. **Phone** : 9441150324
10. **Address for communication:** C/o Guruvulu Brindavanam, D.No: 4-58, Mandava vari street, Seetharamapuram Road, Satrampadu, 534007.



11. Educational Qualifications:

Qualification	Institute	University/ Board	Specialization	Year of Passing	Division/ Class
Ph.D.	Andhra University College of Engineering	Andhra University	Biomedical Engineering	2019	---
PG	Andhra University College of Engineering	Andhra University	Electronic Instrumentation	2004	First
UG	Bapatla Engineering College	Acharya Nagarjuna University	EIE	1998	Second
Inter/Diploma	P.B.N College, Nidubrolu	IPE	M.P.C	1992	Third
SSC	Municipal High School, Nidubrolu	BSE	---	1990	First

12. Work Experience:

Teaching: 18Yrs **Research:** Nil **Industry:** 2Yrs **Total:** 20Yrs

Name of the Organization	Designation	Date From	Date To
Sir C R Reddy College of Engineering	Asst. Professor	2004	2008
Sir C R Reddy College of Engineering	Sr. Asst. Professor	2008	2019
Sir C R Reddy College of Engineering	Assoc. Professor	2019	Till date

13. Courses taught:

S.No.	Name of the subject	UG/PG
1.	Signals and systems	UG
2.	Data communications and networks	UG
3.	Pattern recognition and image processing	UG
4.	Elements of electrical and electronics engineering	UG
5.	Instrumentation and control systems	UG
6.	Biomedical Engineering	UG
7.	Computer architecture and organization	UG
8.	Transducers and signal conditioners	UG
9.	Professional ethics and human values	UG
10.	Computer networks	UG
11.	Signal analysis and condition monitoring	PG (Mechanical)

14. Administrative Responsibilities:

S.No.	Description	College/ Department level
1.	T &P Coordinator	Department level
2.	Press & media Coordinator	Department level

15. Research Guidance:

M.Tech.		Ph.D.	
Completed	Ongoing	Completed	Ongoing
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16. Research Publications in Journals (National/International):

S.No.	Author(s) Name	Title of the Paper	Name of the Journal	National / International	Month & Year	Volume, Issue No, Page Nos	UGC/ Web of Sciences/ Scopus/ SCI/Others
1.	1.M. Ravi Kumar 2.Prof. Y. Srinivasa Rao	Epileptic seizures classification in EEG signals based on semantic features and variational mode decomposition	Journal of Cluster Computing	International	Feb 2017-18	ISSN 1386-7857. PP: 1-11	SCI - Springer Journal
2.	1.M. Ravi Kumar 2.Prof. Y. Srinivasa	Epileptic seizure prediction using hybrid feature selection	Journal of Theoretical and Applied Information Technology	International	2017-18	Vol.95. No.16.IS SN: 1992-8645	Scopus Indexed Journal

	Rao		(JATIT)			E-ISSN: 1817- 3195 PP: 4024- 4033	
3.	1. M Ravi Kumar, 2.K Harika, 3. Prof.Y Srinivasa Rao	Review on flexible Carbon Nanotube Based Strain Gage Sensors for biomedical applications	International Journal of Instrumentation Electrical Electronics Engineering	Internatio nal	May 2013	Vol1.no3 , p- ISSN: 2321 – 0621 e- ISSN: 2321- 063X	Interna tional

17. Research Papers in Conferences (National/International):

S.No.	Author(s) Name	Title of the Paper	Name of the Conference/Jou rnal	National/ International	Month & Year	Page No's
1	1.M Ravi Kumar, 2. Amrutha Lakshmi. N, 3. Jyothi	Building An Iot Based Cost- Efficient Surveillance Robot For Real Time Monitoring And Control	2nd National Conference on "Artificial Intelligence & Machine Learning"	National	16th - 17th JULY 2021	38
2	1. M. Ravi kumar, 2. Ch. Naveen kumar	Unique Identification For Monitoring Of Covid-19 Using Internet Of Things (IoT)	2nd National Conference on "Artificial Intelligence & Machine Learning"	National	16 th – 17 th JULY 2021	36
3	M. Ravi Kumar	Multi Parameter Wireless Device	ICACT-2019	International	2019	219
4	1. M. Ravi Kumar 2. Dr . Y. Srinivasa Rao 3. M. Pradeep	Implementation of Logic Gates Design Using CMOS Field Effect Transistors (500nm Technology)	Two day national level workshop "IIICS-2014"	National	24 th &25 th Jan 2014	IJEAR Vol. 4, Issue Spl-1, Jan – June 2014 P: 119- 121
5.	1. V. Ranjith Kumar 2. Y.B.N.V Bhaskar 3. B.	Design and Simulation of Piezoresistive MEMS Accelerometer	Two day national level workshop "IIICS-2014"	National	24 th &25 th Jan 2014	ISSN: 2348- 0033 (Online) ISSN : 2249-

	Rajesh Kumar 4. M. Ravi Kumar					4944 (Print) P: 126- 131
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18. No of Books Published:

S.No.	Author(s) Name	Title	Publisher	ISBN	Year of Publishing
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19. Workshops/ FDPs/STTPs /etc., (Organised):

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1.	Coordinator for two day workshop “VYDUSHYA” on “Fuzzy logic and artificial neural networks” organized by EIE Dept.,	Sir CR Reddy college of engineering	18 th Feb 2011.	19 th Feb 2011.
2.	Organizing secretary for two day national level workshop “IIICS-2014” conducted by EIE/ECE/MECH/EEE 4Depts..	Sir CR Reddy college of engineering	24 th Jan 2014	25 th Jan 2014
3.	Co-coordinator for AICTE sponsored two week FDP on “Bio-medical Signal Processing and Applications” organized by ECE Dept.,	Sir CR Reddy college of engineering	1 st Nov’ 2019	14 th Nov’ 2019

20. Workshops/ FDPs/STTPs/ etc., (Attended):

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1.	One week FDP on Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles	Bapatla Engineering College, Bapatla	01-06-2020	05-06-2020
2.	One day International Webinar on Surface Plasmon Resonance based Biosensors	Lakireddy Bali Reddy College of Engineering Mylavaram	12/08/2020	12/08/2020
3.	Webinar on “ Transdisciplinary- Transactional research and	K L Deemed to be University	29th May 2020.	29th May 2020.

	Academics for ground control in mining industries			
4.	3 day FDP on “IoT with Artificial Intelligence”	Dept. of ECE,Sir C R Reddy college of engg. ELURU.	27 th Mar 2020	29 th Mar 2020
5.	5 day FDP on “ Trends in Communication	Dept. of ECE,Sir C R Reddy college of engg. ELURU	26 th May 2020	30 th May 2020
6.	Two week Matlab course “ Matlab Masters”	Data teach.ai	8 th June 2020	19 th June 2020
	One week online national level FDP on “ IoT and AI applications”	K L Deemed to be University	1 st June 2020	6 th June 2020
7.	One week Online Faculty Development Program on "Opportunities & Challenges in Electronics & Allied Industries in India post COVID-19"	Department of Electronics Engineering at Vivekanand Education Society's Institute of Technology, Mumbai	25 th May 2020	30 th May 2020
8.	One week FDP “ RTCEVS”	Dept. of ECE,Sir C R Reddy college of engg. ELURU.	27 th July 2021	31 st July 2021
9.	One week international virtual FDP on” Emerging techniques in Biomedical Instrumentation-ETBI”	ECE Dept., K L Deemed to be University	28 th June 2021	3 rd July 2021
10.	National level 5 day FDP on “ OBE- NAB Process”	Narasaraopet Engineering college, Narasaraopet	28 th May 2020	1 st June 2020
11.	Two day International conference on materials for energy and environmental protection	Sir C R Reddy Aided & autonomous college	12 th Feb 2018	13 th Feb 2018
12.	Workshop on micro sensor design	Dept. of Instrument Technology	22 nd March 2018	24 th March 2018
13.	Two day workshop on “MATLAB for engineering applications”	Dept. of ECE,Sir C R Reddy college of engg. ELURU.	19 th Aug 2016	20 th Aug 2016
14.	Programmable logic controllers	Dept. of ECE,Sir C R Reddy college of engg. ELURU.	1 st Mar 2015	1 st Mar 2015
15.	Recent trends in industrial automation	Dept. of Instrument Technology. A.U. College of Engg.A.U	13 th Feb 2014	14 th Feb 2014
16.	Fuzzy logic and Artificial neural networks	Dept. of EIE,Sir C R Reddy college of engg. ELURU.	18 th Feb 2011	19 th Feb 2011
17.	Composites and nano materials	Dept. of Mech. Engg.,Sir C R	11 th Mar 2009	12 th Mar 2009

		Reddy college of engg. ELURU.		
18.	Industrial Automation	Dept. of EIE, Sir C R Reddy college of engg. ELURU.	9 th Feb 2009	10 th Feb 2009
19.	Communications and signal processing	Dept. of ECE, Vignan's engg.college ,Vadlamudi.	28 th June 2008	29 th June 2008
20.	Recent trends in sensors and transducers for biological science	Dept. of Instrumentation Tech. B.V Bhooma reddy college of engg. & tech. HUBLI., Karnataka.	16 th Nov 2007	17 th Nov 2007
21.	FPGA based system design.	Dept. of ECE,Sir C R Reddy college of engg. ELURU.	28 th Sept 2007	29 th Sept 2007
22.	Recent trends in biomedical applications	Dept. of EIE, Sir C R Reddy college of engg. ELURU.	10 th Aug 2007	11 th Aug 2007
23.	Advanced digital controllers for power electronic systems	Dept. of EEE, Andhra university college of engg. A.U	27 th Jan 2007	28 th Jan 2007
24.	Instructional design and delivery.	Quality improvement program conducted by Sir C R Reddy college of engg.Eluru.	12 th June 2006	17 th June 2006

21. Sponsored Projects:

S.No.	Title	Sponsored by	Amount	Period	Ongoing/ Completed
1.	MODROBS, Up gradation of EDC/AEC LAB EIE Dept.,	AICTE	7.5 Lakhs	2012-13	Completed

22. Consultancy Projects:

S.No.	Title	Agency	Amount	Period	Ongoing/ Completed
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23. No of Patents (Filed/Granted):

S.No.	Title	Application Number	Year	Filed/Granted
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24. Awards/Honours Received:

S.No.	Award Name	Awarded by	Contribution	Date Received
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25. Professional Memberships:

S.No.	Name of the Professional Body	Membership No.	Membership Type
1.	ISOI	LM 1580	Life Member
2.	ISTE	LM 51269	Life Member
3.	IEI	M-138667-5	Member
4.	IETE	M 500585	Member

26. Membership in BOS/ Editorial Boards:

S.No.	Name of the University/ Journal	Member/ Editor/ Reviewer	Period
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27. Details of Personal Blogs/ Educational YouTube Channels/ e content (if any):

<https://mrkprofessional.blogspot.com/>

28. Details of Innovative Design/ Development of Product or Model (if any): Nil

29. Technology Transfer: Nil

30. Special Achievements (If any): Nil

31. Personal Details:

- (a) Father's Name : **M. MOHANA RAO**
 (b) Mother's Name : **M. VIJAYAMMA**
 (c) Gender : **Male**
 (d) Marital Status : **Married**

(e) Religion : **Hindu**

(f) Nationality : **Indian**

A small, square image containing a handwritten signature in blue ink. The signature is stylized and appears to be the name 'M. J.' followed by a horizontal line.

Signature